

## CLAIMS

1. A composition which delivers an amount of leucine sufficient to enhance the learning ability of an animal.
2. A composition as claimed in claim 1 which contains an amount of leucine over 2% on a wet weight basis.
3. A composition as claimed in claim 2, which contains an amount of leucine of 2.3% on a wet weight basis.
4. A composition as claimed in any one of claims 1 to 3 which is a complete and balanced foodstuff.
5. A composition as claimed in any one of claims 1 to 4 wherein the animal is a cat or a dog.
6. An animal food supplement which delivers an amount of leucine sufficient to enhance the learning ability of an animal.
7. A supplement as claimed in claim 6 which comprises at least 50% leucine, on a wet weight basis.
8. A supplement as claimed in claim 6 or claim 7 in the form of a powder or liquid.
9. A supplement as claimed in any one of claims 6 to 8 which is for a dog or a cat.
10. A process for the preparation of a composition as claimed in any one of claims 1 to 5 or a supplement as claimed in any one of claims 6 to 9 comprising mixing together the ingredients, optionally heating to cook any raw food ingredients and optionally presenting the mixture in a form suitable for consumption or administration.
11. Use of leucine for enhancing the learning ability of an animal.

12. Use as claimed in claim 11 wherein the leucine is in a foodstuff or a food supplement.
13. Use as claimed in any one of claims 11 to 12 wherein the animal is a cat or a dog.
14. A method for increasing the leucine level of an animal comprising the step of administering to said animal an amount of leucine sufficient to increase the total leucine level of the animal.
15. A method as claimed in claim 14 which method increases the learning ability of the animal.
16. A method as claimed in claim 15 wherein the animal is in need of increasing its learning ability.
17. A method as claimed in any one of claims 14 to 16 wherein the animal is a cat or a dog.
18. A method for enhancing the learning ability of an animal comprising feeding to said animal a composition as claimed in any one of claims 1 to 5 or a supplement as claimed in any one of claims 6 to 9.